

U.S. PATENT & TRADEMARK OFFICE
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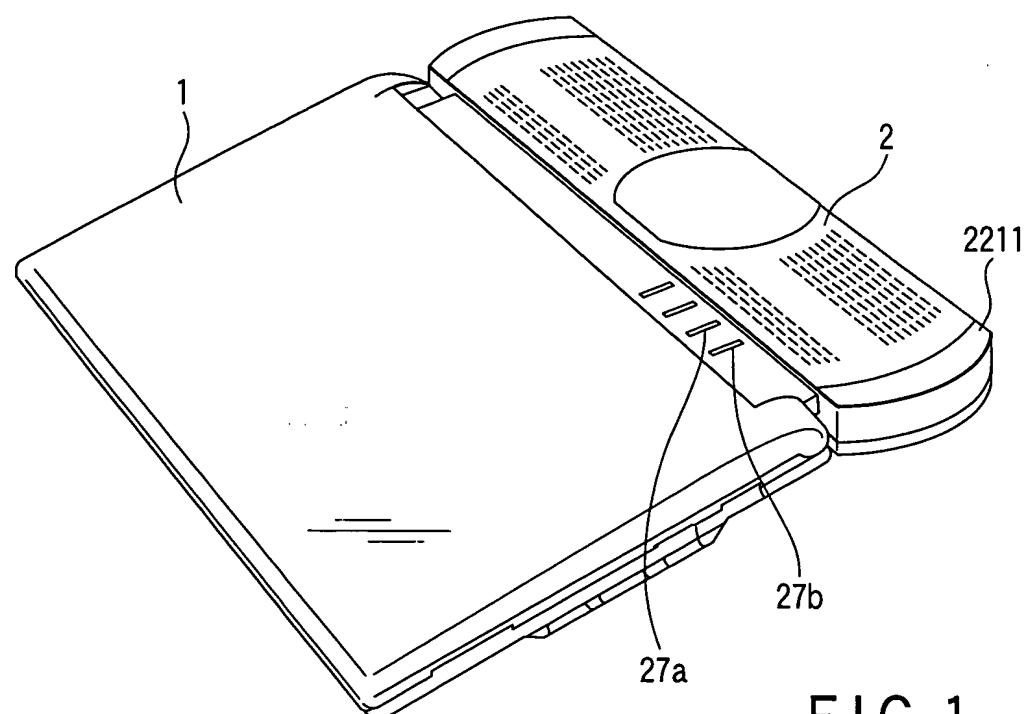


FIG. 1

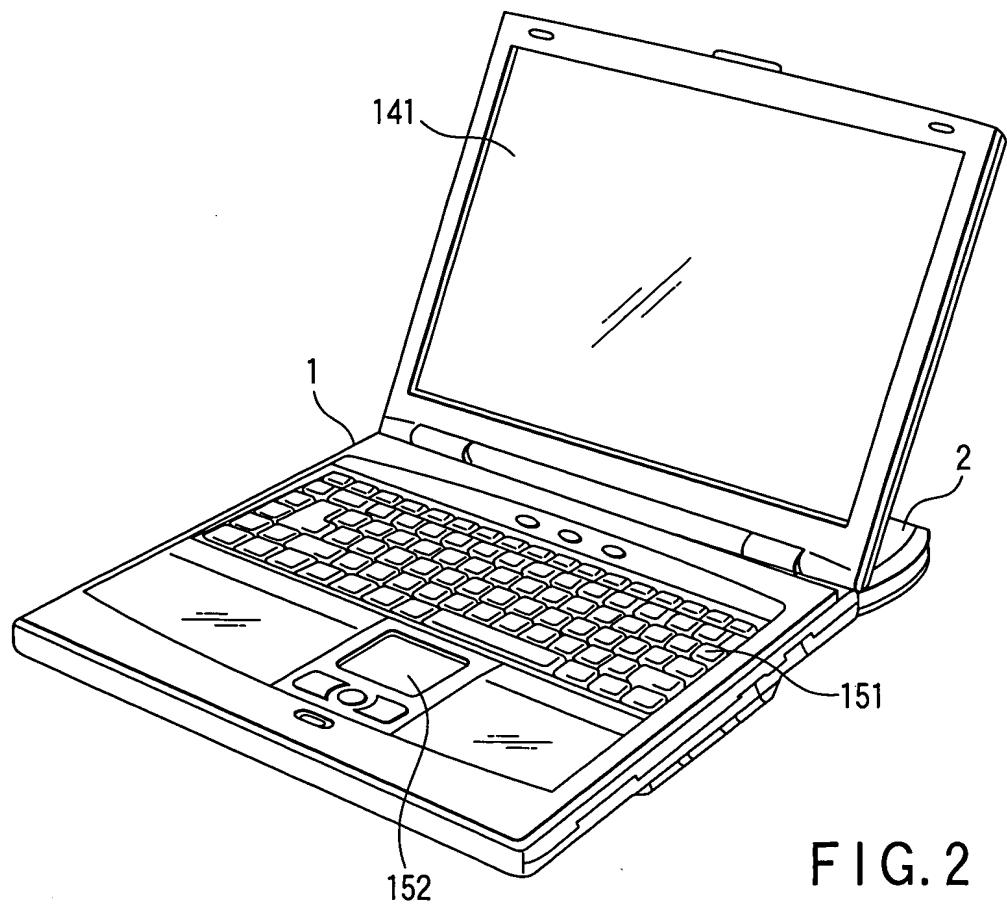


FIG. 2

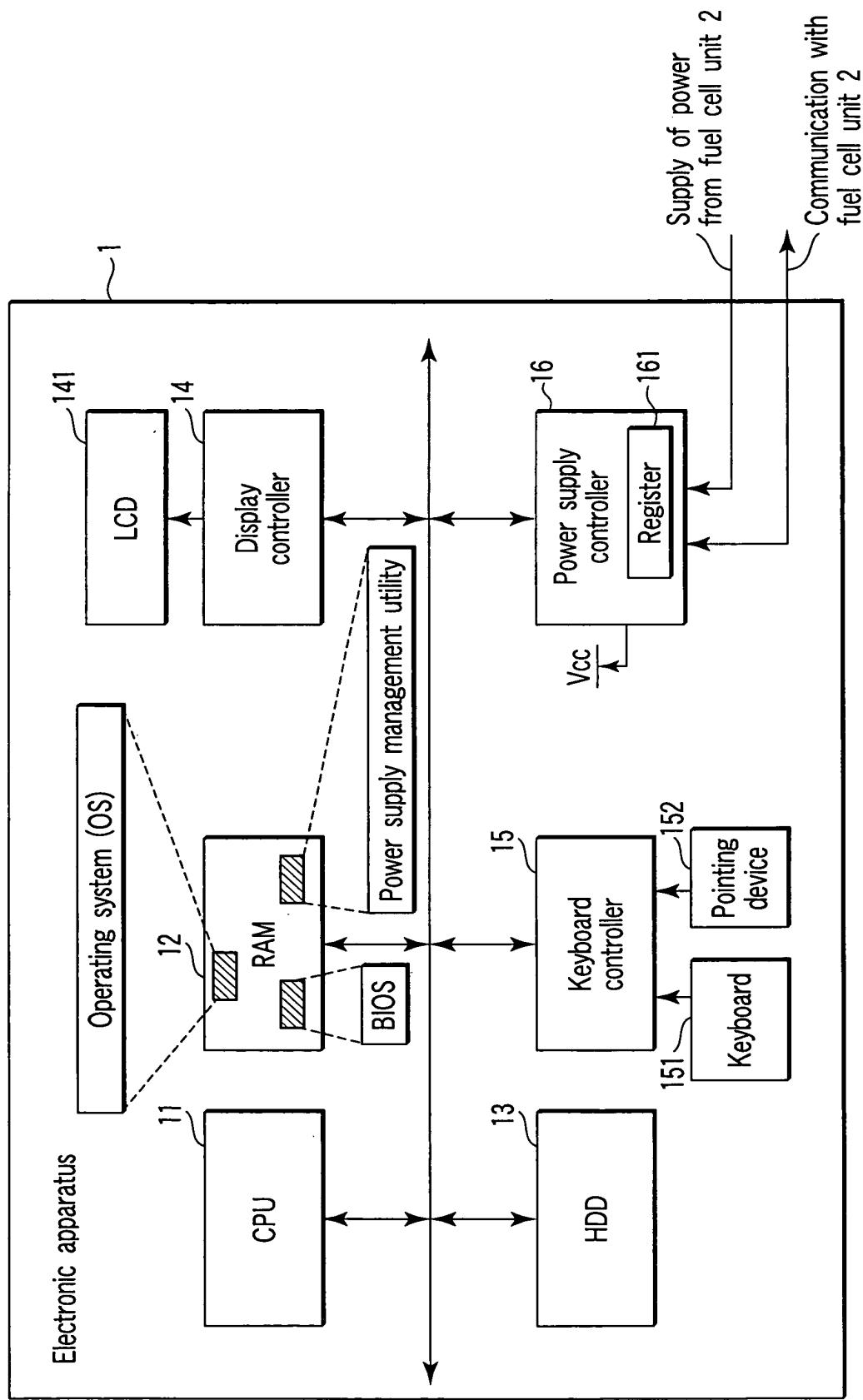


FIG. 3

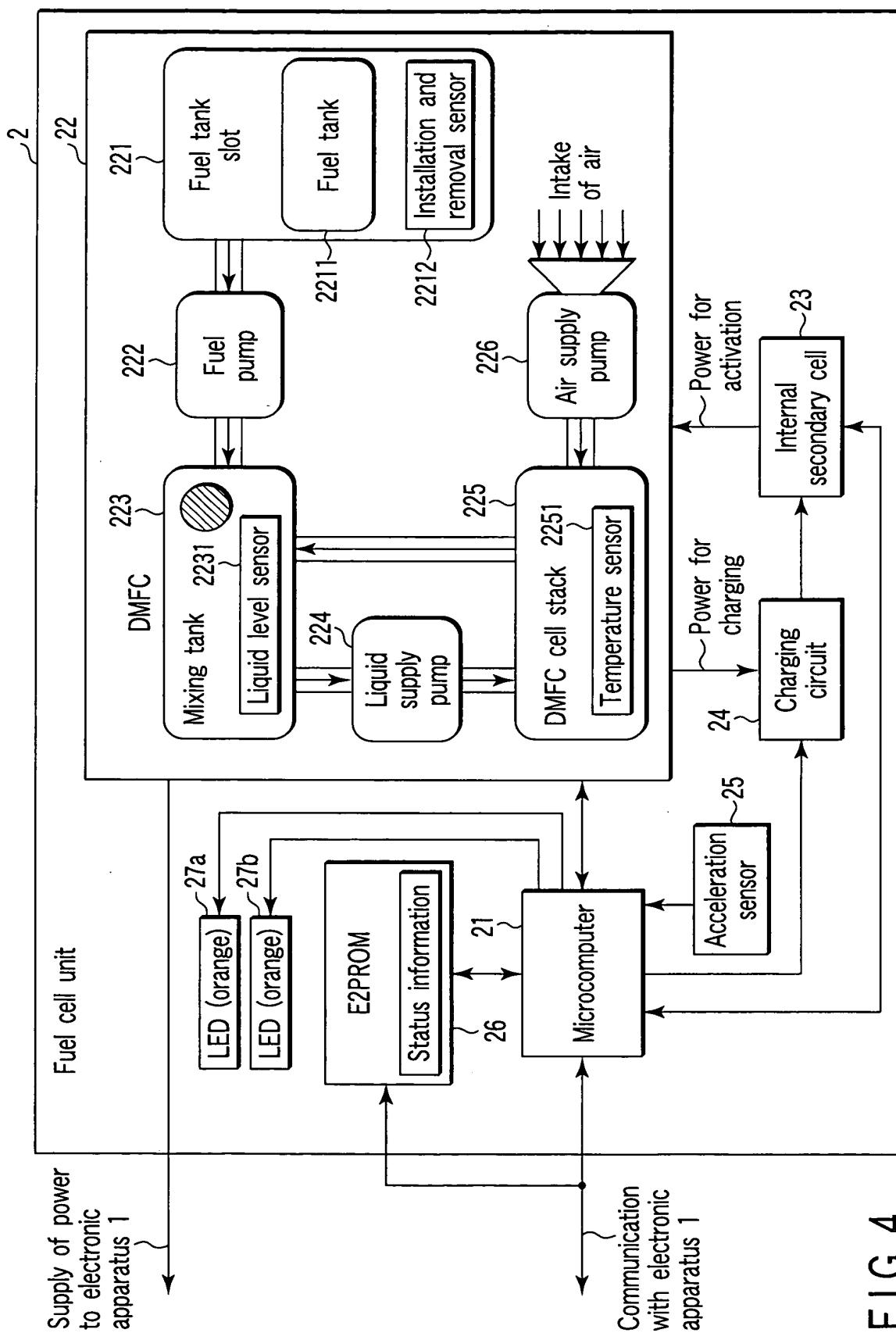


FIG. 4

LED (orange) blinking factors	
1	Inclined
2	High temperature outside DMFC activation temperature range
3	High temperature outside DMFC continuous temperature range
4	Air pump or liquid supply pump is not rotating
5	The amount of liquid in the mixing tank is at a high level for two seconds or longer continuously

FIG. 5

LED (green) blinking factors	
1	Fuel cartridge has not been installed or removed
2	The remaining amount in the fuel cartridge is less than the warning remaining amount
3	Low temperature outside DMFC activation temperature range
4	Low temperature outside DMFC continuous temperature range
5	The amount of liquid in the mixing tank is at a low level for two seconds or longer continuously

FIG. 6

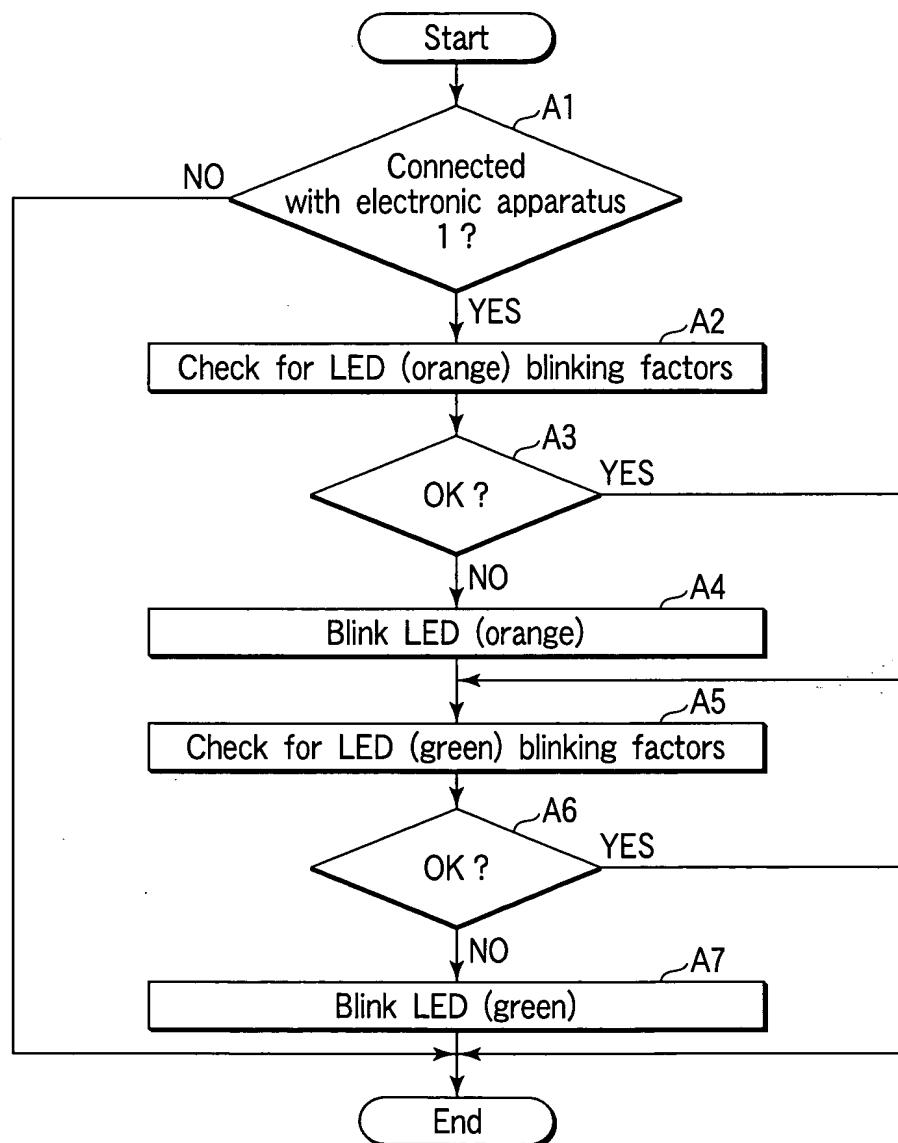


FIG. 7